



National
Aeronautics and
Space
Administration

STS-98 Crew Ready To Deliver 'Destiny'



The STS-98 crew (l to r) front: Astronauts Mark L. Polansky, pilot; Marsha Ivins, mission specialist; and Kenneth D. Cockrell, mission commander; back: Robert L. Curbeam, Jr. and Thomas D. Jones, mission specialists. Curbeam and Jones are the scheduled spacewalkers for this mission.

The Space Shuttle Atlantis and its 5-person STS-98 crew are preparing for their mission to deliver the U.S. laboratory, called "Destiny," to the International Space Station. Liftoff for Atlantis is currently scheduled for January 19, at 2:11 a.m. EST from the Kennedy Space Center, Florida.

The primary objective of STS-98 is to deliver and install the U.S. Destiny Laboratory onto the International Space Station. The 28-foot-long, 14-foot-diameter, research and command-and-control center is the most sophisticated and versatile space laboratory ever built. It will ultimately house a total of 24 experiment racks for crew support and scientific research that can be removed and replaced as needed. Also, the STS-98 astronauts will relocate Pressurized Mating Adapter 2 from the Unity Node to the forward Common Berthing Mechanism on "Destiny." While at the station, the astronauts will conduct three spacewalks and use the Shuttle's robotic arm to complete these tasks.

NASA's Top Ten Stories for 2000

NASA has pioneered the future for more than 4 decades, and the Agency's achievements this past year are marked by a spirit of cooperation never-before-seen in the history of Space exploration.

The dream of the first crew to live on the International Space Station is realized at a time when nations that were once separated by the Cold War are now joined in a project of discovery.

The discovery in 2000 of evidence of flowing water on Mars rekindled hopes of finding life on our planetary neighbor. The images from Mars Global Surveyor also helped fuel the excitement for NASA's long-term exploration plans of the Red Planet.

"We face a new frontier of possibilities and opportunities in 2001," said NASA Administrator Daniel S. Goldin. "NASA is about discovery and that's what we're going to do next year and for many years to come."

Expedition One Crew Begins Space Station Adventure

The arrival of the Zvezda service module cleared the way for the Expedition One crew to launch a new era in space history October 31, 2000. American Commander Shepherd and his Russian crewmates, Yuri Gidzenko and Sergei Krikalev lifted off in a Russian Soyuz spacecraft from the Baikonur



Cosmodrome in Kazakhstan to make their

"Top Ten" continued on page 3

In this issue

- [IT News](#)
- [HQ Bulletin Online](#)
- [Suggestion Program Recognition](#)
- [NASA HQ Annual Alumni Luncheon](#)
- [NASA Headquarters 2000](#)
- [HQ Seminars](#)
- [Managing Your Career](#)
- [Minority Roundtable](#)
- [Brian D. Welch Memorial](#)
- [MLK Birthday Celebration at HQ](#)
- [New NASA History Publications](#)
- [HQ Daily Planner](#)
- [HQ Classifieds](#)
- [Exchange Council News](#)



Suggestion Program Recognition

Edward Brimberg, Supervisory Computer Specialist, Headquarters Information Technology & Communications Division (Code CI),



Al Castillo, Director, Headquarters Human Resources Management Division, presents Brimberg with an award for his suggestion.

was recognized November 22, 2000, for NASA's adoption of his suggestion to revise NHQ Form 249, NASA HQ Employee Performance Communication System (EPCS), to allow for easier completion and signature when using the form electronically.

If you have an idea that might help improve processes at NASA, submit your suggestion to Marian Beverly, Code CP, 358-2318.

HQ Bulletin Now Online

In an effort to serve you better, the *HQ Bulletin*, NASA Headquarters' monthly internal newsletter, is now available online in PDF format. To view the January 11 issue directly from your computer, visit www.hq.nasa.gov/hq/bulletin.htm



The PDF version includes active links to web sites and e-mail addresses. Just click on an active link (highlighted in blue) and the document calls up the web page for you.

If you have questions about the *HQ Bulletin* online or any other of the InfoCom services, send an e-mail to infocom@hq.nasa.gov, call Mary Fenton, 358-4817, or Ken Suslowitz, 358-2299.

NASA HQ Annual Alumni Luncheon



The 15th annual NASA Headquarters Alumni Luncheon on October 18, 2000, was another well attended success. Former NASA Associate Deputy Administrator General John R. Dailey was the guest speaker for this year's event, which was held at Bolling Air Force Base Officer's Club. Seated at the head table (l to r): Larry Vogel, Harry Finger, Dema Nappier, Benita Cooper, Gen. Dailey, Ed Kilgore, Mitzi Peterson, and Burt Edelson.



Section 508: Making the Web Accessible To All

The Architectural Compliance Boards Accessibility Standards has published Section 508 which mandates that all Information Technology infrastructure and tools shall be accessible to individuals with disabilities. The law states that by July 26, 2001, all web sites, applications, and other IT hardware items (such as kiosks) shall be made accessible to all individuals. If a component of IT infrastructure, a web site, or other identified items are not compliant with Section 508 by the July 26, 2001, date, the agency hosting or owning the application, web site, or other IT component will be held liable. As such, the offending agency is subject to legal proceedings initiated by individuals who are unable to access the item or web site.

To insure compliance and adherence to the Section 508 requirements, NASA Headquarters is initiating a complete review and renovation of all web pages hosted on devices at this facility. A project plan has been developed and includes analyses of over 30 separate web sites and approximately 40 web applications.

Beginning in January, Charles Redmond, Code CI, and Tom Fedrick, Code CI-1 (SAIC), will host briefings for individuals who manage web pages and web sites at Headquarters. These briefings will cover what the law actually states, what Code CI and SAIC plan to do with the web sites to make them compliant, and how each of the many webmasters at Headquarters can improve their sites and keep them within the law. Copies of the project plan and schedule will also be available on the web at www.hq.nasa.gov/webaccess/HQwebsked.html

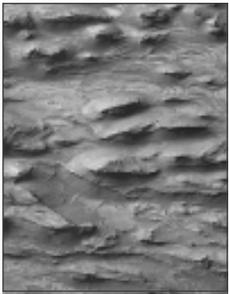
This is an ongoing process and will continue until all web sites and web applications at Headquarters are compliant with the new law. Thank you in advance for your participation and support.

For further information contact Charles Redmond, 358-1757, credmond@hq.nasa.gov, or Tom Fedrick, 703-676-0311, tom.fedrick@hq.nasa.gov

“Top Ten” continued on page 3

new home aboard the International Space Station.

Evidence of Liquid Water Found on Mars



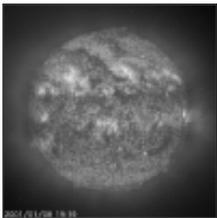
Imaging scientists using data from NASA’s Mars Global Surveyor camera spacecraft found features that suggest there may be current sources of liquid water at or near the surface of the red planet. Studies of later images by Mars

Global Surveyor revealed layers of sedimentary rock that paint a portrait of an early Mars filled with numerous lakes and shallow seas.

Earth Mapping Mission A Stunning Success

The Space Shuttle Endeavour served as an Earth observatory early in 2000 during STS-99. The Shuttle Radar Topography Mapping Mission was a breakthrough in the science of remote sensing and produced topographic maps of Earth 30 times as precise as the best global maps in use today. The information collected will help produce one of the most comprehensive and accurate maps of our world ever assembled.

SOHO Sees Turbulent Side of the Sun



A week’s advance warning of potential bad weather in space is now possible thanks to the Solar and Heliospheric Observatory (SOHO) spacecraft. With a technique that uses ripples on

the Sun’s visible surface to probe its interior, SOHO scientists have, for the first time, imaged solar storm regions on the far side of the Sun, the side facing away from the Earth.

NASA Technology May Ease Flight Delays and Enhance Runway Safety

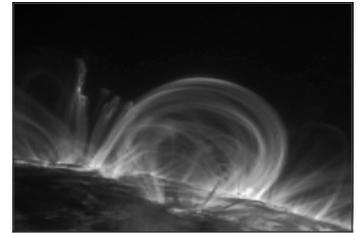
The Aircraft Vortex Spacing System can predict aircraft wake turbulence on final approach, so airliners can be spaced more safely and efficiently. NASA’s Runway Incursion Prevention System is designed to prevent runway incursion incidents by giving pilots and air traffic controllers earlier warnings.

NEAR Has Close-call With Asteroid

The Near Earth Asteroid Rendezvous mission (NEAR Shoemaker) became the first spacecraft to orbit an asteroid February 14, 2000. NEAR’s close encounter with the asteroid Eros brought the spacecraft within 3 miles (5 kilometers) of the space rock. In October, the spacecraft sent home the first close-up movies of asteroid Eros, and other data on the object, which is also known as asteroid 433 Eros. NEAR Shoemaker was launched on February 17, 1996.

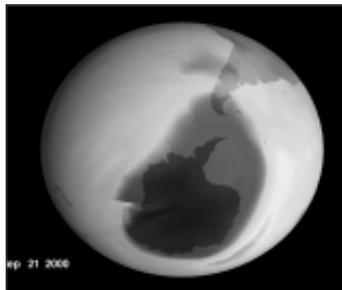
TRACE Illuminates Superheated Solar Mystery

Giant fountains of fast-moving, multi-million degree gas in the outermost atmosphere of the Sun revealed an important clue in September to a long standing mystery—the heating source that makes the corona 300 times hotter than the Sun’s visible surface. NASA’s Transition Region and Coronal Explorer captured dramatic images of the immense coils of hot, electrified gas, known as coronal loops.



Largest-ever Ozone Hole Observed

A NASA spectrometer detected an Antarctic ozone “hole” (what scientists call an “ozone depletion area”) that is three times larger than the entire land mass of the United States, nearly 11 million square miles—the largest such area ever observed. Although production of ozone-destroying gases has been curtailed under international agreements, concentrations of the gases in the stratosphere are only now reaching their peak. Researchers believe it may be decades before the ozone hole is no longer an annual occurrence.



Biofeedback Technology Developed for Video Games

A unique interactive system developed for NASA by Eastern Virginia Medical School in Norfolk, Virginia, trains people to change their brainwave activity while playing off-the-shelf video games. This mind-over-matter technique is combined with hand-eye coordination to create video games that can actually improve your health.



NASA Outlines Two Decades of Mars Exploration



By means of orbiters, landers, sample return missions and next-generation super rovers, NASA revamped its campaign to explore Mars. The comprehensive exploration proposal is poised to unravel the secrets of the red planet’s past environments, the history of Martian rocks, its watery legacy and possible evidence of past or present life.

For additional information and images from the past year, visit: www.nasa.gov/newsinfo/topten2000.html



Administrator Goldin accepts the ISO 9001 Certification plaque for the expansion of certification to HQ Offices from Dominick Cantore, DNV, Inc.



Code CI's ODIN/ISEM Team was honored at the Agency Honor Awards.



Road rage and highway safety briefing during HQ Safety and Health Day.



HQ volunteers for DC Cares Day.

NASA Headquarters 2000:

A Year of Achievement and Change

NASA became the first government agency with multiple sites—Federal or State—to have every one of its sites under an ISO 9001 registration in 2000. Last year, NASA Headquarters also continued to make history. In June, Headquarters was ISO 9001 certified and is now the only Federal agency headquarters registered to the internationally recognized ISO 9001 standard. In addition, research has indicated that NASA Headquarters may be the only headquarters, public or private, to have become ISO 9001 certified.

In keeping with NASA's recent focus on health and safety, two important events occurred during May 2000. On May 1, Administrator Goldin officially established the Office of the Chief Health and Medical Officer to help increase the Agency's emphasis on these two important areas both on the ground and in space. The second event happened on May 4 when NASA Headquarters celebrated its second annual Safety and Health Day. Organized by the Headquarters Facilities and Security Management Division and the Health Unit, the day featured various speakers and programs to increase safety and health awareness and to address all aspects of an employee's life.

With downsizing over, NASA Headquarters is currently in the process of hiring permanent employees. In concert with that, Headquarters has reinstated the Presidential Management Intern (PMI) program. This program allows Headquarters to bring in talented college graduates with master's degrees. The goal: to convert as many of these interns as possible into permanent employees at the end of their 2-year internships.

In terms of Headquarters contracts, both of the information technology services contracts—the Outsourcing Desktop Initiative at NASA (ODIN) and the Information Technology Systems, Engineering and Management (ISEM) work—began during FY 2000. ODIN started near the end of February 2000, and it establishes a long-term outsourcing arrangement with the commercial sector, relieving the government of the responsibility and risk associated with managing desktop assets. ISEM, which began at the end of May, provides such services as custom application support, security management, the Internet, and advanced engineering and computer operations support. Also during February, Headquarters awarded a new peer review contract that consolidates six former contracts supporting the solicitation of NASA research announcements and proposal evaluations.

NASA Headquarters most valuable resource is its people — the civil service and contractor employees, who so ably support NASA's Strategic Enterprises, initiatives, and programs here in Washington, DC. During 2000, Headquarters recognized their many individual and group achievements through the NASA Headquarters Honor Awards, the Agency Honor Awards, the Space Flight Awareness Program, and other awards programs. At the same time, employees reached out to the local community to make a difference through Exchange Council and other sponsored events. They also learned about our many cultures through events sponsored by the HQ Office of Equal Opportunity and Diversity Management.



Chris Christensen, AA for Code C, with Daniel Mulville, Associate Deputy Administrator, at the CFC Awards.



Spacesuit demonstration on Take Our Daughters to Work Day.



Fred Gregory, AA for Code Q, presents the SFA Flight Safety Award to Richard Williams, Code AM.



Code S officials meet the press to outline NASA's Mars Exploration Program for the next 2 decades.



Goldin and Chris Christensen make an HQ Honors Award presentation to Marguerite Broadwell.



Dr. Ghassem Asrar, AA for Code Y, at an EO-1 press conference.



Contestants in the Halloween Costume Contest.



Clowning around at the GSEC-HQ Picnic.



Code M's team won the HQ Softball Challenge.



Black History Month "Musical Extravaganza" program.



NASA officials with Yuri Koptev, General Director, Russian Aviation & Space Agency at the Zvezda launch in Kazakhstan.



The Administrator delivers his holiday message at the HQ Holiday Reception.



Employees get together at the annual HQ Holiday Reception.



Career-Proofing Your Kids

by Elizabeth Piper, Career Counselor,
Career Management Office

Barbara Moses, Ph.D., brings her book *Career Intelligence: The Twelve New Rules for Work and Life Success* to a close with a chapter titled “Preparing the Next Generation: Career Proofing Your Kids.” As we begin the year 2001 and look to the future, career-proofing our kids is a particularly significant topic to contemplate and one on which Barbara Moses has some very interesting insights.

First of all, what does Barbara Moses mean by the term *career intelligence* that she uses in the title of her book? She explains that it’s not about working smarter, or about working harder, faster or more effectively. Nor is it career “smarts” or career “savvy.” Rather, *career intelligence* is a way of understanding



yourself and the world and a way of acting upon the world—because you can’t act effectively on the world without first comprehending it. Having *career intelligence* means not only understanding the external economic and social landscape, recognizing new work and career realities and comprehending the opportunities of a new workplace, but also knowing what you have to do to ensure your continued marketability. Even more importantly, *career intelligence* means being attuned to your internal, personal world and understanding what you care about and what gives your life meaning.

Computers will probably have changed beyond all present recognition by the time some of today’s youth enter the workplace. Of course, being computer literate is important, states Moses. However, what she points out as being just as important for the future is how technology is used. The challenge, she says, is not only operating the machine, but also understanding how to optimize its potential for manipulating ideas and images. Also, in addressing the subject of specialization, Moses suggests that as parents we might want to encourage our children to include in their studies more of the social sciences for instance, so as to understand the broader context in which they are carrying out their specialization. They will also need to be able to interact with people from different disciplines, talk persuasively, write effectively and abstract important information so encouraging them to develop their writing and thinking skills to the highest feasible level is not a bad idea. Moses also points out that it will no longer make sense for children to think of their future solely in terms of a particular job title or occupation. They will have many different jobs in the course of their careers, so the author recommends that focusing on their key competencies—the things that they are best at doing and most enjoy—can ultimately provide them with a broad repertoire of skills and ensure their long term marketability.

So how do our children set about career proofing themselves for the future, and how can we as parents help? For a start, work experience can help shape future career paths and can help position them for

long-term success. In evaluating work opportunities for summer internships and part-time jobs, by encouraging our children to ask questions suggested by Moses: What technical and non-technical skills and competencies will they develop as a result of this job? How much supervision and mentoring will they receive in the position? Will they have an opportunity to sit in on and observe meaningful business/client/customer interactions while they’re working in a particular working environment? Almost all work situations can provide a wealth of experience as long as they’re approached as a learning experience, according to Moses.

Yet another way of helping our children career-proof themselves is to encourage them to consider other things when choosing a career, and not letting job market trends and statistics alone drive their choice. Certainly, it’s important to examine job market trends; however, by also taking into account their true interests and strengths, they are more likely to find satisfying and enduring work. As parents, we can help by giving positive feedback on their strengths and by encouraging their interests. We can point out to them that there are often creative ways of combining even an apparently impractical interest with a viable way of producing income. As parents, we might want to suggest combining two areas of study in order to maximize their flexibility and future marketability.

Moses references Daniel Goleman from his best selling book *Working with Emotional Intelligence* and the emphasis he puts on being emotionally “smart” in determining long-term success. This is certainly another valuable message for the future and one that Moses wholeheartedly agrees with. To meet future challenges, Moses writes, we all will need emotional literacy, including social skills; sensitivity to our own and other’s feelings; ability to “read” situations; empathy; optimism; ability to manage conflict; and the ability to manage our feelings. Promoting the concept of emotional intelligence to our children, and modeling it to them through our example, will go a long way in career-proofing them.

To further explore these concepts (and many others) for ourselves and our children, *Career Intelligence*, by Barbara Moses, Ph.D., and *Working with Emotional Intelligence*, by Daniel Goleman, can be borrowed from the Career Management Office (CMO) Library in Rm. 4D34. For information on careers and assistance with career related needs, contact me, Elizabeth Piper, CMO Career Counselor, at 358-0565, or e-mail me at

epiper@hq.nasa.gov

Writing an Executive “Federal” Resume

The Federal resume format allows employees to strengthen their application by highlighting their qualifications in an opening profile or summary of qualifications.

Often times more than one version of the Federal resume can be produced by simply rewriting the profile which is useful for targeting different announcements and networking with different audiences.

The Executive Federal Resume Writing workshop, scheduled January 25, 8:30 a.m.-12 noon, Rm. 4D33, will focus on that application document. Come and get practice writing your resume profile and also get practice incorporating your accomplishments into your work experience resume sections. This workshop will be targeting GS13 through GS15's and in particular those that want to ultimately apply for Senior Executive Service (SES) positions. To register, call Elizabeth Piper in the Career Management Office, 358-0565, or e-mail her at epiper@hq.nasa.gov

Linkage Leadership

A program about change. The capacity for organizations to handle a complex and changing business climate is critical to their success. Employees must be capable of initiating and managing change. Based on the best-selling book, *Who Moved My Cheese?*, Spencer Johnson and Linkage, Inc. have created a dynamic distance-learning experience. This simple yet profound story of four characters who are faced with change has created breakthroughs with individuals and organizations worldwide, radically altering the way they respond to change.

By attending this program, you will be able to: change the way you look at change, so that it works to your advantage; discover how to relate to others in your organization by recognizing four distinct behaviors and attitudes about change; and develop skills you can use in any situation to help you change and win.

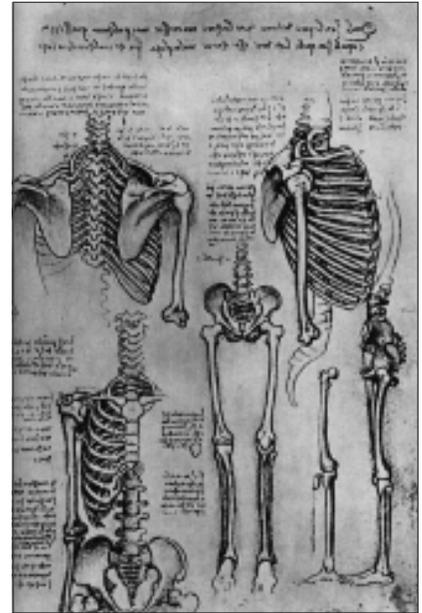
- Tuesday, March 20, 2001, 11 a.m.-12:30 p.m. Part I: “Who Moved My Cheese?”
- Tuesday, March 20, 2001, 12:30-2 p.m. Part II: “Developing Your Skills for a Changing World.”

To register, specify Part I, II, or both and e-mail shoover@pop1.gsfc.nasa.gov or call Sean Hoover, 301-286-0033. For details, see www.linkageinc.com/satellite/cheese

Ergonomics, Muscle Pain, and Prevention Techniques

Repetitive strain injuries, including Carpal Tunnel Syndrome, account for 56 percent of the illnesses reported to the Occupational Safety and Health Administration (OSHA). A seminar to give you a better understanding of these injuries and how to prevent them is scheduled Wednesday, January 31, 11:30 a.m.-1 p.m., Rm. 4D33. An Industrial Hygienist will focus on how computer workstations can contribute to nerve and muscle pain. Pam Kozey, Certified Myofascial Trigger Point Therapist, will address the characteristics of muscle tissue, carpal tunnel syndrome, trigger points and prevention techniques.

To register, contact Work/Life Program Manager Evelin Saxinger, }358-1311, e-mail esaxinge@hq.nasa.gov



Healthy Lifestyles Program

A New Year, a New You! The Health Unit, Fitness Center, and the Employee Assistance Program (EAP) are offering a new course for healthy lifestyles. This eight-session lunchtime course will feature suggestions, educational information, and individualized goal setting on such topics as weight loss, nutrition, stress management, exercise, and smoking cessation. Learn to develop healthy habits and the skills to maintain them over time.

Join your peers in exploring positive changes for the new year. The first session is on January 17, 11:30 a.m.-1 p.m., MIC 7-A. To register or for more information, call the Health Unit, 358-2600.

Are You Planning For Your Retirement?

Understanding your retirement plan and investment options is critical for smart retirement planning. Make sure you are well prepared. Join Aerospace Financial Services, a subsidiary of NASA FCU, for an informative seminar Thursday, January 25, 12 noon-1 p.m., MIC 6-A. All attendees will receive a free information kit. For reservations, call 301-249-1800, ext. 314 or e-mail afs@nasafcu.com

The NASA Team

Minority Roundtable

In keeping with NASA's commitment to achieve the full participation of Minority Institutions in the NASA-sponsored research and education community, a roundtable discussion, "NASA Impacting Research and Education at Minority Institutions," was hosted by Hampton University on December 3, 2000, during the NASA Administrator's Fellowship Program Professional Development Institute III.



(back, l to r): Reese, Olsen, Thomas, (front) Lowe, McDemmond, Harvey, and Richardson.

Dr. Kathie Olsen, NASA Chief Scientist, and Acting Associate Administrator for the Office of Biological and Physical Research, facilitated the

event. The discussion focused on NASA's new Biological and Physical Research Enterprise. "The NASA Roundtable discussion was an excellent venue for the exchange of ideas to enhance greater participation of under-represented groups in science and engineering," Dr. Olsen said.

Roundtable participants included Historically Black Colleges and Universities Presidents Dr. William Harvey, Hampton University; Dr. Marie McDemmond, Norfolk State University; Dr. Calvin Lowe, Bowie State University; and Dr. Earl Richardson, Morgan State University. Also joining the discussion was NASA Associate Administrators Ralph Thomas, Office of Small and Disadvantaged Business Utilization, and George Reese, Office of Equal Opportunity Programs.

Brian D. Welch Memorials

by June Edwards

Brian D. Welch died of a heart attack on November 24, 2000. All of us who knew Brian share a number of common memories:

his abiding love for his family; his pride in working for NASA; and his wit and humor. If you ever called Brian to discuss an issue, or dropped by his office for a visit, more likely than not he would say, "Let's take this up in the Tenth Floor Annex," and off you would go to the roof



of the Headquarters building. Brian was particularly fond of the outdoor area at the East end of the building. He loved it because of his connection to nature. He loved it because of the wonderful views it presented of the Washington, DC skyline, views that always gave him a context to wax philosophic. He loved it for the sights and sounds of the trains that passed just across the street. I don't believe any of us will ever go up to the roof without recalling Brian, and smiling.

To honor our special friend, a memorial consisting of planters and a bench is being planned for the rooftop area. Those wishing to make a contribution may do so by directing donations to the NASA Federal Credit Union "J Edwards Account # 37139-9."

Additionally, the Welch family has set up the Brian D. Welch Memorial Scholarship Fund at Murray State University, Murray, Kentucky. For those of you wishing to make a contribution to this fund, donation forms are available in the Public Affairs Office, Rm. 8K72. To make a credit card donation by phone, call 1-800-758-8510.

NASA Headquarters salutes the courage of Dr. Martin Luther King, Jr.

Dr. Martin Luther King, Jr.'s Birthday Observance

Remember! Celebrate! Act! A day on, not a day off.

Featured Speaker
Joe Madison, "The Black Eagle"
Radio Show Host, WDLAM

Wednesday, January 17, 2001
NASA Auditorium
11:30 a.m. - 1:30 p.m.

Please contact Chris Rodriguez at 301-955-5555 with any questions.

MLK Birthday Celebration at Headquarters

On Wednesday, January 17, from 11:30 a.m. to 1 p.m. in the auditorium, the Headquarters Equal Opportunity & Diversity Management Office (Code CE) is hosting an event in observance of Martin Luther King, Jr.'s Birthday.

"Remember! Celebrate! Act! A day on, not a day off," features guest speaker Joe Madison, a.k.a. "The Black Eagle." Madison is a human and civil rights organizer, activist, radio and television talk show personality, political organizer, columnist, lecturer, labor and corporate spokesman, former musician and athlete.

The Friendly High School Gospel Choir will also perform. For more information, call Chris Rodriguez, 358-0950.

New Views on the U.S. and Soviet Union in Space from the NASA History Program

For unique perspectives on the history of NASA and the Soviet space program, read these two new outstanding volumes produced by the NASA History Office, Office of Policy and Plans. For information on other NASA History publications, see <http://history.nasa.gov/what.html#pubs>

The Infinite Journey: Eyewitness Accounts of NASA and the Age of Space, written by well-known author William E. Burrows, recounts the history of NASA from the 1950's to the present in text, beautiful illustrations, and excerpts from numerous interviews with NASA personnel. A foreword is contributed by Walter Cronkite. Under a Space Act Cooperative Agreement, the NASA History Office and the NASA Public Affairs Office worked with Discovery Channel Publishing to create this visually stunning book as part of President Clinton's Millennium Initiative to document the history of Federal government activities.

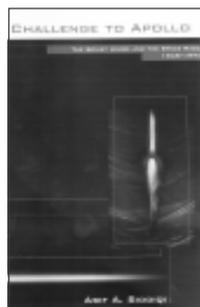
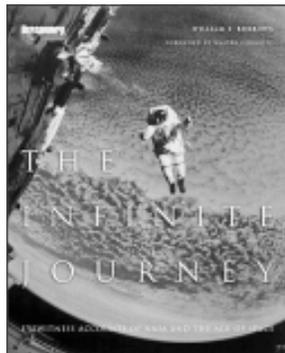
Journalist and space-historian William E. Burrows provides an introduction to the book describing the early roots of space exploration and the creation of NASA. His subsequent chapter overviews and mission essays furnish background information and context for the individual stories that follow. The volume closes with an epilogue on the future of space flight, with contributions by NASA Administrator Daniel S. Goldin, Ray Bradbury, Sir Arthur C. Clarke, the late Carl Sagan, and Homer Hickam Jr.

This book is now widely available at commercial bookstores and on-line retailers. The list price is \$40.

Challenge to Apollo: The Soviet Union and the Space Race, 1945-1974 (NASA SP-2000-4408, 2000) by Asif A. Siddiqi. This 1,000-page, hardcover book is a truly pathbreaking study. *Challenge to Apollo* is the first comprehensive history to appear on the Soviet human space flight program since the opening of the archives in the early 1990's. As a result, it benefits from exceptionally strong primary source materials, as well as perspective on an important challenge that helped to define the U.S. space effort until the 1980's.

Going beyond the basic facts, however, Siddiqi has created a gripping narrative that weaves together several broad interpretive themes. The first theme concerns the institutional framework of the Soviet space program and the constituencies that sometimes teamed together and sometimes fought with each other: the engineers, the artillery officers, the defense industrialists, and the Communist Party leaders. These political dynamics lead to the second theme: the Soviet effort to put a human on the Moon before the United States. The third theme covers the Soviet methods of technological innovation. Siddiqi challenges the idea that the Soviets tended toward incremental, rather than revolutionary, innovation.

How to order: For sale for \$79 (domestic postpaid), \$98.75 (non-U.S.). By Mail: Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Fax: 202-512-2250. Phone: 202-512-1800. This book also may be ordered on-line. Order stock number 033-000-01231-4. It may also be purchased from the NASA HQ Information Center, Code CMI-1, Rm.1H23, 358-0000.



HQ Daily Planner

January 11- Administrator's Webcast on the NASA Integrated Action Team (NIAT) Report, 3:30-5 p.m., auditorium. Jim Wilk, 301-286-2021.

January 11-12- Murtats African American items, 10 a.m.-2 p.m., west lobby.

January 12- Seventh NASA Seminar Series on "Aging": Session 9, 11 a.m.-1 p.m., Rm. CD61. Wing Chan, 358-0592.

January 15- Holiday—Martin Luther King, Jr., Birthday,

January 16-17- Shiva International jewelry, 10 a.m.-2 p.m., west lobby.

January 17- Exchange Council Coffee & Donut Social, 7:45-9 a.m., west lobby. Rita Moore, 358-2077 (see page 10).

January 17- Martin Luther King, Jr. Birthday Observance: "Remember! Celebrate! Act! A Day On, Not a Day Off," 11:30 a.m.-1 p.m., auditorium. Chris Rodriguez, 358-0950 (see page 8).

January 17- Healthy Lifestyles Program, 11:30 a.m.-1 p.m., MIC 7-A. To register, contact the Health Unit, 358-2600 (see page 7).

January 18- DCL Associates, 10 a.m.-2 p.m., west lobby.

January 18-19- L&R Jewelry, 10 a.m.-2 p.m., west lobby.

January 23-24- Sparkling Ideas Jewelry, 10 a.m.-2 p.m., west lobby.

January 23-24- Sidney Katz leather items, 10 a.m.-2 p.m., west lobby.

January 24- Weight Watchers registration, 11:30 a.m., MIC 6-A. Week One of the program begins January 31. Andrea Jordan Ledbetter, 358-4772.

January 25- "Executive Federal Resume Writing Workshop, 8:30 a.m.-12 noon, Rm. 4D33. Elizabeth Piper, 358-0565 (see page 7).

January 25- NASA Federal Credit Union retirement planning seminar, 12 noon-1 p.m., MIC 6-A. To sign up, call 301-249-1800 ext. 314.

January 29- The Baglady Boutique Russian items, 10 a.m.-2 p.m., west lobby.

January 31- "Ergonomics, Muscle Pain, and Prevention Techniques," 11:30 a.m.-1 p.m., Rm. 4D33. Evelin Saxinger, 358-1311 (see page 7).

February 12-16- "Systems Requirements 36," Dryden Flight Research Center. Jackie Clarke, 703-820-4900 ext. 111.

March 20- Linkage Leadership Seminar. Part I: "Who Moved My Cheese?," 11 a.m.-12:30 p.m.; Part II: "Developing Your Skills for a Changing World," 12:30 - 2 p.m. Sean Hoover-286-0033 (see page 7).

HQ Classifieds

For Sale

Papason chair, two-seater, near mint condition; sat in 3-4 times; new: \$200; will sell for \$100. Call Eva, 703-525-8036 (Arlington).

Women's Peugeot Touring Bike, extremely good condition, recent tune-up. Approximately 5 years old. \$100. Call Eva, 703-525-8036 (Arlington).

Pokemon Cards, Set of 700 cards, including 23 holographic cards. Excellent condition. \$75. Call Ed, 410-266-5487.

For Rent

Condominium, SW, Washington, DC. 1 BR, on Potomac River, near HQ and Metro,

\$1,200 per month, parking, utilities, basic cable, outdoor pool, W/D, LR/DR, kitchen. No pets, security deposit, 1-year lease, December 1 availability. Call Charles P. Warr. Daytime: 301-827-4721. Evening: 202-265-4545.

Notices

Payroll Announcements

The HQ Payroll Office has issued notices for NASA employees regarding W-2's, FICA rates, locality pay, TSP, deduction rates, and effective dates, leave year, etc.

For details, see www.hq.nasa.gov/hq/paynotic.htm
Bernadette Keane, 358-1051.

HQ Bulletin Submission Deadline

Articles must be submitted by close of business Tuesday, January 16 to be considered for the February 5 edition of the *HQ Bulletin*. For the publication schedule, see www.hq.nasa.gov/hq/bulsched.htm

HQ Bulletin

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Exchange Council News

Holiday Reception

The HQ Holiday Reception on December 19 was a joyous event, with lots of food, friends, and laughter. Administrator Daniel Goldin expressed his holiday wishes, encouraging employees to spend time with family, and announced the winners of the holiday contests at Headquarters.

The winner of the "Weigh-In" contest was Code J (overwhelmingly) with 204 lbs. in coins. Their contribution, along with all the other coins collected, will be donated to SOME (So Others Might Eat).

For 1st place in the Holiday Door Decorating contest, Code PS's "Faster, Better, Sweeter" door won them a \$25 gift certificate to the Exchange Store. They graciously bought toys with their winnings and donated them to the "Toys for Tots" collection, bringing the total number of toys donated up to 315.

As a result of the Salvation Army canned food drive, two large boxes were donated by employees.

Kim Butler from Code U was the winner of the Exchange Store's drawing for the large stuffed "Chris-Moose."

The HQ Exchange Council would like to thank everyone for participating in the events and for helping to make the lives of others a little brighter and happier. Wishing everyone a happy, healthy, and prosperous new year.



Door Decorating Contest (l to r): Code PS-1st place; Code S-2nd place; and Code F-3rd place.

Coffee & Donut Social

Blast away those winter blues with coffee, orange juice, fresh donuts, pastries, and bagels at the next Coffee and Donut social. On Wednesday, January 17, 7:45 a.m.-9 a.m., west lobby, you can laugh and reminisce while looking at pictures of prior Council sponsored events. And you might find a picture or two of yourself that you can have (first come, first serve basis). If you would like to volunteer, contact Rita Moore, 358-2077.



Butler with her new friend Chris-Moose.



Administrator Goldin gives Mary Stites the Weigh-In trophy.



Members of the Health Unit enjoyed a snack near the holiday tree.



Sharing all the great food!